

09918678-073001

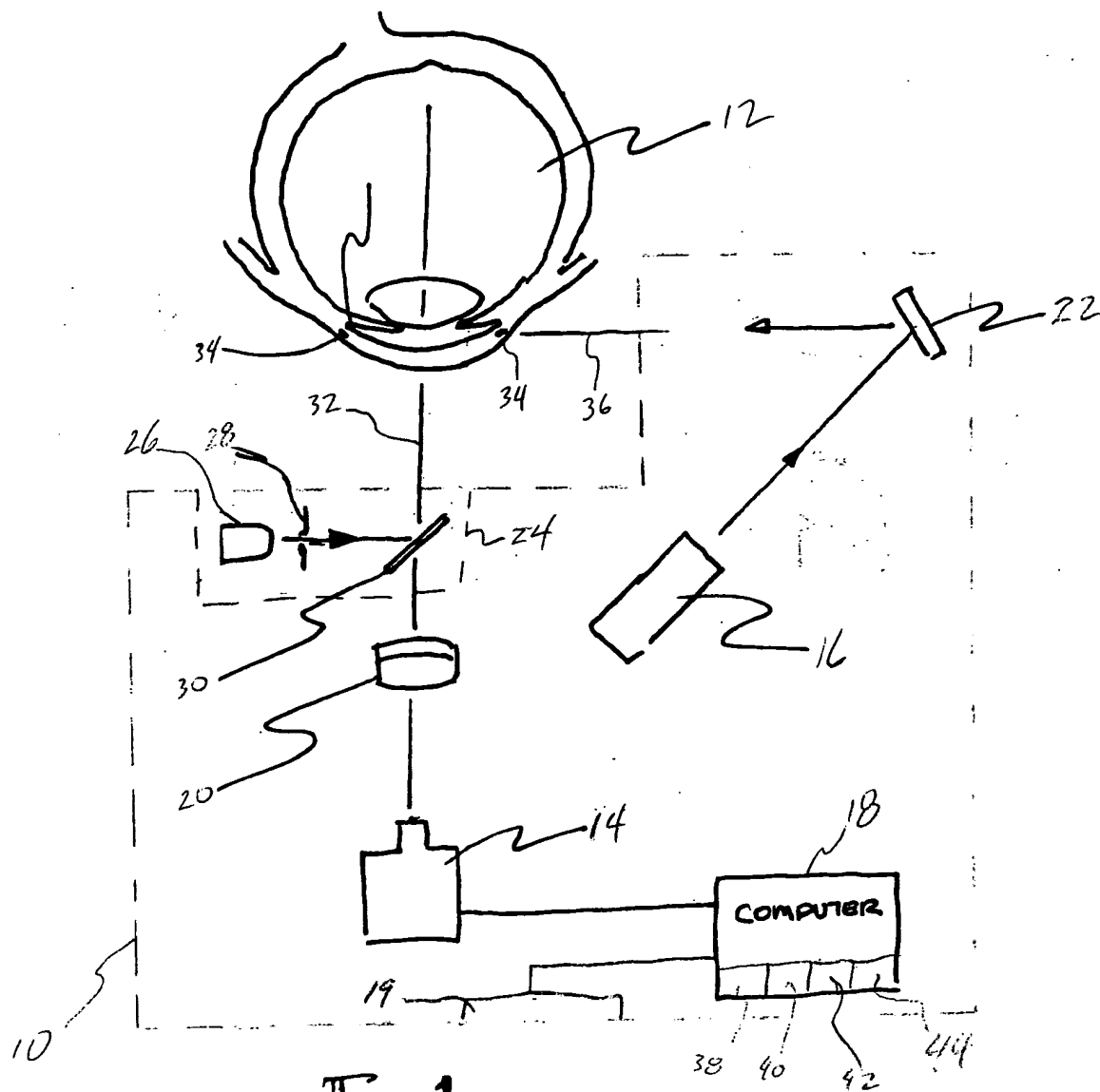
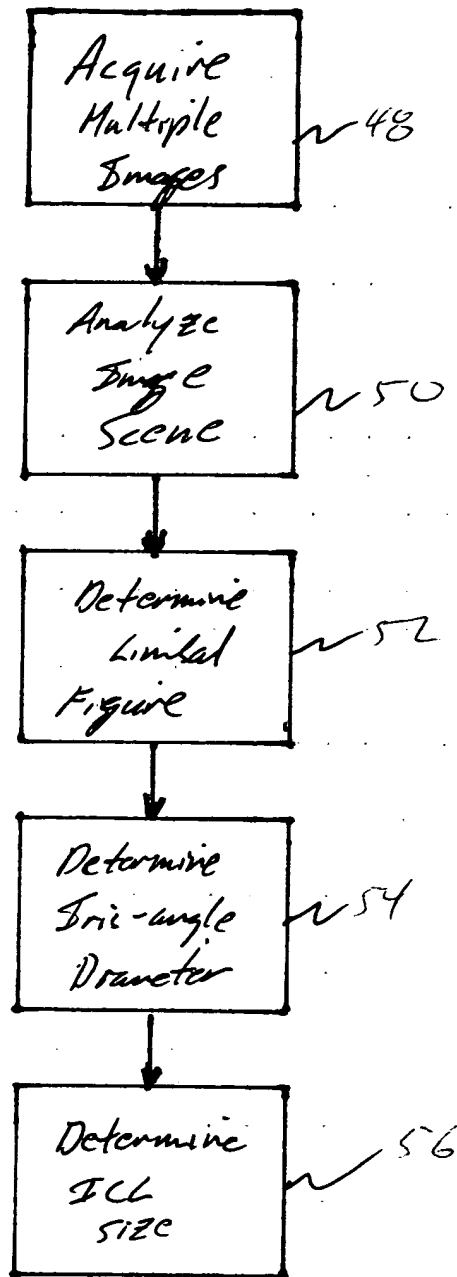


Fig 1.

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Fig. 2



The diagram illustrates a laser Doppler velocimetry setup. At the top, a circular cross-section of a vessel lumen (12) is shown with a vertical centerline (34). Below the lumen, a probe beam (28) originates from a source (26), passes through a lens or aperture (30), and is focused onto a scattering medium (58) located within the vessel. A reference beam (16') is generated by a mirror (22) and directed towards the same area. The scattered light is captured by a detector assembly (20) positioned below the vessel. This detector is electrically connected to a computer unit (18) via a signal line (14). Additionally, the computer (18) controls a light source (16) that emits a beam (16'') towards the vessel, likely for illumination or as part of a dual-beam configuration.

Fig 3.